

WEST 1.0[Help](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show WS Numbers](#)[Edit WS Numbers](#)**Search Results - Record(s) 1 through 1 of 1 returned.**

1. Document ID: US 5798173 A DE
19505295 A1 FR 2716904 A1 JP
07290817 A DE 19505295 C2 ,

Relevance Rank: 99

Entry 1 of 1

File:DERWENT

July 7, 1999

DERWENT-ACC-NO: 1995-312445

DERWENT-WEEK: 199841

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TITLE:

Ink jet printing sheet - provided with a novel vinyl! amine-acrylonitrile!
copolymer dye fixing agent

INVENTOR:IDEI, K; MOMMA, K

PATENT-ASSIGNEE: MITSUBISHI PAPER MILLS LTD[MITY]

PRIORITY-DATA: 1994JP-0063794 (March 31, 1994) , 1994JP-0035024 (March 4,
1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5798173 A	August 25, 1998	N/A	000	B41M 005
<u>DE 19505295 A1</u>	September 7, 1995	N/A	011	B41M 005
<u>FR 2716904 A1</u>	September 8, 1995	N/A	026	D21H 027
JP 07290817 A	November 7, 1995	N/A	008	B41M 005
<u>DE 19505295 C2</u>	August 13, 1998	N/A	000	B41M 005

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
US 5798173A	Cont of	1995US-0382194	February 1, 199
US 5798173A	N/A	1997US-0788353	January 27, 199
DE19505295A1	N/A	1995DE-1005295	February 16, 19
FR 2716904A1	N/A	1995FR-0002517	March 3, 1995
JP07290817A	N/A	1994JP-0063794	March 31, 1994
DE19505295C2	N/A	1995DE-1005295	February 16, 19

IPC: B41J002/01; B41M001/36 ; B41M005/00 ; D21H017/67 ; D21H019/00 ;
D21H021/70 ; D21H027/00

ABSTRACTED-PUB-NO:DE19505295A

BASIC-ABSTRACT:Ink jet printing sheet comprising a substrate material and/or

a layer applied to the substrate that contains a polyvinylamine copolymer with a mol.wt. greater than or equal to 50000 and a mol. vinylamine content greater than or equal to 20 mol.%, prepd. by copolymerisation of N-vinyl formamide and acrylonitrile. Also claimed is an ink jet printing sheet comprising a substrate with an ink receiving layer coating comprising an ultra-fine inorganic pigment with a particle size less than or equal to 100 nm and the polyvinylamine copolymer dye fixing agent. Used for full colour printing of characters and/or images. The sheets have good resistance to water (to ink points spreading cut), display good resistance to light, are stable during storage, may comprise materials with a wide range of pH values and give high quality images with good colour formation and resolution.

ABSTRACTED-PUB-NO:US 5798173A

EQUIVALENT-ABSTRACT: Ink jet printing sheet comprising a substrate material and/or a layer applied to the substrate that contains a polyvinylamine copolymer with a mol.wt. greater than or equal to 50000 and a mol. vinylamine content greater than or equal to 20 mol.%, prepd. by copolymerisation of N-vinyl formamide and acrylonitrile. Also claimed is an ink jet printing sheet comprising a substrate with an ink receiving layer coating comprising an ultra-fine inorganic pigment with a particle size less than or equal to 100 nm and the polyvinylamine copolymer dye fixing agent. Used for full colour printing of characters and/or images. The sheets have good resistance to water (to ink points spreading cut), display good resistance to light, are stable during storage, may comprise materials with a wide range of pH values and give high quality images with good colour formation and resolution.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

INK JET PRINT SHEET NOVEL POLYVINYL AMINE POLYACRYLONITRILE COPOLYMER DYE FIX AGENT

DERWENT-CLASS: A14 A97 G05 P75

CPI-CODES: A10-E09; A12-W07F; G05-F03;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1278U;1704U ;1892U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017 ; R00817 G0475 G0260 G0022 D01 D12 D10 D51 D53 D58 D83 F12 ;
R08072 G0022 D01 D12 D10 D51 D53 D58 D83 F70 ; H0022 H0011 ; M9999
M2313 ; L9999 L2391 ; L9999 L2313 ; P0088

Polymer Index [1.2]

017 ; ND01 ; Q9999 Q8786 Q8775

Polymer Index [1.3]

017 ; N9999 N6848 N6655 ; N9999 N6780*R N6655 ; K9949 ; N9999 N6940
N6939 ; B9999 B5356 B5276 ; Q9999 Q7216 Q7114 ; K9676*R ; K9563
K9483 ; B9999 B5094 B4977 B4740

Polymer Index [1.4]

017 ; R08166 D01 D11 D10 D50 D61 D88 F17 F13 F16 C1 7A ; H0226

Polymer Index [2.1]

017 ; R01863*R D01 D11 D10 D23 D22 D31 D42 D50 D86 F24 F29 F26 F34
H0293 P0599 G3623

Polymer Index [2.2]

017 ; ND01 ; Q9999 Q8786 Q8775

Polymer Index [2.3]

017 ; Q9999 Q8582

Polymer Index [3.1]

017 ; P1707 P1694 D01

Polymer Index [3.2]

017 ; ND01 ; Q9999 Q8786 Q8775

Polymer Index [3.3]

017 ; B9999 B3521 B3510 B3372 ; Q9999 Q6644*R

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers:C1995-139104

Non-CPI Secondary Accession Numbers:N1995-236117

Full	Citation	Review	Classification	Date	Reference
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Term	Documents
de-19505295-\$.did.	1

Starting At: Display Format:

Main Menu	Search Form	Posting Counts	Show WS Numbers	Edit WS Numbers
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WEST 1.0[Help](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show WS Numbers](#)[Edit WS Numbers](#)**Search Results - Record(s) 1 through 1 of 1 returned.**

1.

Document ID: JP 2645299 B2 JP
01008085 A,

Relevance Rank: 99

Entry 1 of 1

File:DERWENT

July 7, 1999

DERWENT-ACC-NO: 1989-056885

DERWENT-WEEK: 199739

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TITLE:

Ink jet recording material - contg. (meth)acrylate unit-free cationic
polymer or its salt in the coated layer

PATENT-ASSIGNEE: SUMITOMO CHEM IND KK[SUMO]

PRIORITY-DATA: 1987JP-0048581 (March 2, 1987) , 1987JP-0109510 (April 30,
1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2645299 B2	August 25, 1997	N/A	005	B41M 005
<u>JP 01008085 A</u>	January 12, 1989	N/A	006	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 2645299B2	N/A	1987JP-0109510	April 30, 1987
JP 2645299B2	Previous Publ.	JP 1008085	N/A
JP01008085A	N/A	1987JP-0109510	April 30, 1987

IPC: B05D007/24; B41M005/00 ; C08F226/02 ; C08L039/02 ; D21H001/34 ;
D21H005/00 ; D21H019/20 ; D21H027/00

ABSTRACTED-PUB-NO:JP01008085A

BASIC-ABSTRACT:The recording material contains a cationic polymer of formula
(I) which does not contain (meth)acrylate monomer units, or its salt, in the
base material or a coated layer on the base material. In (I), R1 = -COR3 or
-COOR4; R3 = H or alkyl; R4 = alkyl; R2 = H or alkyl; X = alkyl, opt.
substd. phenyl, OH or alkoxy; k, l and m satisfying $k/(k + l + m) = 0.3-1.0$;
 $l/(k + l + m) = 0-0.7$; $m/(k + l + m) = 0-0.7$. USE/ADVANTAGE - Useful for
ink jet recording. The recording material rapidly absorbs and fixes ink and
provides a sharp image. The image has good water resistance and light
resistance. In an example, a coating soln. was prepd. from 100 pts. wt.

fine powder silicic acid, 50 pts. wt. PVA, 40 pts. wt. 10 % cationic polymer synthesised from N-vinylacetamide and 590 pts. wt. water. The compsn. was applied on a wood free paper of coverage, 55 g/m2 in a dry coating build-up, 10 g/m2 and dried at 120 deg. C for 2 min. The coated layer was treated at 110 deg. C for 1 min. The obtd. recording material has good water and light resistance.

CHOSEN-DRAWING:Dwg.0/0

TITLE-TERMS:

INK JET RECORD MATERIAL CONTAIN METHO ACRYLATE UNIT FREE CATION POLYMER SALT COATING LAYER

DERWENT-CLASS: A14 A82 F09 G02 G05 P42 P75

CPI-CODES: A04-D09; A10-E09; A12-B03A; A12-W07F; F05-A06B; G02-A05C; G05-F;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1740U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0218 0231 2007 2008 2179 2198 2318 2413 2427 2436 2506 2509
3251 2575 2602 2660 2718 2725 2814 0934 0234 0936 0299 0306 0782 0873 0880
0235 0300 0307 0783 0874 0881 0937

Multipunch Codes: 014 04- 040 103 231 244 245 316 353 359 398 428 431 442
477 53& 532 533 535 537 541 57- 597 600 601 659 688 720 722 014 034 04- 040
041 046 103 231 244 245 27& 316 353 359 398 428 431 442 477 53& 532 533 535
537 541 57- 597 600 601 659 720 722 014 034 04- 040 055 103 231 244 245 27&
316 353 359 398 428 431 442 477 53& 532 533 535 537 541 57- 597 600 601 659
720 722 014 034 04- 040 055 056 103 231 244 245 27& 316 353 359 398 428 431
442 477 53& 532 533 535 537 541 57- 597 600 601 659 720 722 014 034 04- 040
066 103 231 244 245 27& 316 353 359 398 428 431 442 477 53& 532 533 535 537
541 57- 597 600 601 659 720 722 014 034 04- 040 091 092 103 231 244 245 27&
316 353 359 398 428 431 442 477 53& 532 533 535 537 541 57- 597 600 601 659
720 722 014 034 04- 040 091 093 103 231 244 245 27& 316 353 359 398 428 431
442 477 53& 532 533 535 537 541 57- 597 600 601 659 720 722 014 034 04- 040
041 046 055 056 066 091 092 093 103 231 244 245 28& 316 353 359 398 428 431
442 477 53& 532 533 535 537 541 57- 597 600 601 659 720 722

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers:C1989-025081

Non-CPI Secondary Accession Numbers:N1989-043284

Full	Citation	Review	Classification	Date	Reference
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Term	Documents
jp-01008085-\$.did.	1

Display Documents

Starting At: 1

Display Format:

Change Format

Main Menu	Search Form	Posting Counts	Show WS Numbers	Edit WS Numbers
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